

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002511**Date Inspected:** 15-Jul-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested for the OBG external entire Surface (10AE), vide inspection request no. 3691 for Surface preparation inspection. This Caltrans inspector observed, ABF inspector Mr. Sun, Mr. Turtle and Mr. David performing the Blasting inspection. Mr. Tim McLendon (B 290, Mr. Bera (B205), Mr. Vibin (B 294), Mr. Pillai (B 286) from CT were present during the inspection and they marked all the Grinding points and weld repair points. The profile measured by ZPMC QC Inspectors at 6 places found to be in the range of 78 to 85 microns. Residual chlorides test conducted at 3 places and the result found to be 40, 20 & 20 us/cm. The profile range and salt test result found to be acceptable as per contract specifications. Minor Blasting mistakes pointed out by ABF Inspectors which was found attended by ZPMC Personnels. This was again offered for Blasting inspection vide notification no. 3696. International protective coating representative was not found present during the inspection process.

2. An inspection was requested on the OBG Counter weight External bottom support areas - 12 sets for DFT check, vide request no. 3693 at Painting workshop 2. This Caltrans Inspector observed some pin holes, Fish eyes in the bottom plate of SB 56. Mr. Shi stone and Mr. Wei from ABF found carrying out these inspections. This was found accepted by ABF Inspectors subject to attending fish eyes in SB 56. International protective coatings technical service representative Mr. Lou Qian Chuan was found present during the course of this inspection

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process.

3. An inspection was requested on the OBG Top deck external surfaces, (L7E) vide request no. 3694 at the Ship in Heavy dock jetty. This Caltrans inspector observed, ABF inspectors Mr. Vince, Mr. Sun and Mr. Turtle performing said inspection check. During the inspection this Caltrans Inspector observed Wooden pieces placed on top of these surfaces. Upon asking to remove these pieces, ZPMC personnel hesitated to remove as it was attached together with nails and bulky. Later, upon complaining the same to ABF Inspectors, ZPMC removed these wooden pieces. All the surfaces found satisfactory after doing some touch ups with interzinc 52. Ambient conditions were monitored and found to be 7.1 deg. above dew point and relative humidity found to be 82.5% which is acceptable as per contract documents. International protective coatings technical service representative Mr. Lou Qian Chuan was found present during the course of this inspection process.

4. An inspection was requested on the OBG Bike path external Top deck primer coated areas -12 sets for Interzinc 22 -DFT Check, vide request no. 3690 at the Painting workshop no. 1, 2 & 3. This Caltrans inspector observed, ABF inspector Mr. Sun performing said inspection check. This was found accepted by ABF Inspectors after minor touch ups in marked areas. International protective coatings technical service representative was not found present during the course of this inspection process. (Photo attached)

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No relevant conversation

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Michel Ng (15921845703), who represents the Office of Structural Materials for your project.

Inspected By: Baskar, Govindarajan

Quality Assurance Inspector

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Reviewed By: Clifford, William

QA Reviewer